

REMARKS

INTRODUCTION

In accordance with the foregoing, claims 1, 4, 7, 8, and 11 have been amended. Claim 13 had been added. Claims 1-13 are pending and under consideration.

ELECTION/RESTRICTION

Applicants acknowledge that the Restriction was withdrawn in the Office Action mailed October 2, 2006.

REJECTIONS UNDER 35 U.S.C. § 112

Claims 1-12 are rejected under 35 U.S.C. § 112, second paragraph as being indefinite.

Claims 1-12 are rejected because it is allegedly unclear if the drivers are loaded in the personal handheld terminal system/PDA, in the host, or in another location.

Independent claims 1, 4, and 7 have been amended to recite "...into the personal handheld terminal system." Independent claims 8 and 11 have been amended to recite "...into the personal digital assistant."

Support for this Amendment is found in Paragraphs 18, 21, 24, and 25 and Figs. 3 and 4, for example.

Claims 2, 3, 5, and 6 are rejected because it is allegedly unclear what a data sync module specification is.

Although the claims are not restricted to what is disclosed in the specification and drawings, the Examiner is referred to Paragraphs 12, 14, and 24 and Fig. 1, ref. 22-1.

Claims 4-6 are rejected because it is allegedly unclear what a mass storage module specification is.

Claim 4 recites "a USB mass storage specification."

Support for "a USB mass storage specification" is found in Paragraphs 23 and 27 and Fig. 4, ref. 430.

Claims 7-10 are rejected because it is allegedly unclear what a data transition/reception specification is.

Support for "a data transition/reception specification" is found in Paragraphs 14, 15, and 26, for example.

Claims 8-10 are rejected because it is allegedly unclear what a data interface specification is.

Support for "a data interface specification" is found in Paragraphs 26 and 27.

Claim 9 is rejected because there is insufficient antecedent basis for "the USB host request."

Independent claim 8, which claim 9 depends from, recites "transmitting/receiving data to/from a **USB host**" (emphasis added).

Thus, the recitation of "the USB host request" in claim 9 is proper.

Claim 10 is rejected because it is allegedly unclear what "a personal hand held terminal mode" is.

Support for "a personal hand held terminal mode" is found in Paragraphs 19 and 21.

Claim 12 is rejected because it is unclear how "unloading the data sync driver" could exist. The Office Action states that claim 12 depends on claim 11. Claim 12 depends on independent claims 8-10, not claim 11. Independent claim 8 recites, for example, "transmits/receives the data to/from the USB host via the loaded USB data drivers driving the USB interface."

Thus, claims 1-12 are submitted to meet the requirements of 35 U.S.C. § 112, second paragraph.

Withdrawal of the rejections is respectfully requested.

REJECTIONS UNDER 35 U.S.C. § 102

Claims 1-12 are rejected under 35 U.S.C. § 102(b), as being anticipated by Microsoft ActiveSync 3.1 (hereinafter – Herrera).

Herrera discusses ActiveSync software, which includes the ability to use USB for synchronization to your desktop. The Office Action asserts "the clients must each have a different driver."

However, Herrera describes automatically detecting a device connection for a mobile device with the ActiveSync software (pg. 3). In the top figure of page 4, Herrera also discusses ActiveSync setting up a partnership to synchronize information between my device and this computer. Herrera discusses a single driver, ActiveSync. Herrera does not teach or suggest a data sync driver and a USB mass storage driver.

Further, Herrera describes ActiveSync 3.1 controlling the entire computer system operations (pg. 3). For example, Herrera states "ActiveSync will automatically detect the device connection" (top Figure, pg. 3). Herrera states, "Active Sync will open and ...if your device has a partnership, synchronization starts" (lower Figure, pg. 5).

Therefore, Herrera does not teach or suggest "a control section selectively loading the data sync driver or the USB mass storage driver into the personal hand held terminal system according to the system switchover command input through the input section, and controlling the system to transmit/receive the data to/from the USB host by the loaded driver and the USB interface" as recited in amended, independent claim 1.

Herrera discusses a mobile device (pg. 3). Herrera does not teach or suggest inputting a system/USB mass storage switchover command. Therefore, Herrera does not teach or suggest "loading a preset USB mass storage driver into the personal hand held terminal system, if a system/USB mass storage switchover command is input" as recited in amended, independent 4.

On page 5, the Office Action states "a command is sent to the device indicating whether it is to be recognized as a data sync client, through the use of the "Sync" button in ActiveSync, or a mass storage client, through the use of the "Explore" button in Active Sync." Herrera does not show a "Sync" button. Further, the device of Herrera does not load the alleged mass storage driver if the device is not operating as a mass storage client when a mass storage communication request is received. Herrera describes that "Active Sync will open and ...if your device is a guest, click Explore on the toolbar and start exploring your device."

Thus, Herrera does not teach or suggest "a USB data driver selecting unit selectively loading USB data drivers into the personal digital assistant in response to a data interface specification request and transmitting/receiving data to/from a USB host via the selected USB data driver driving the USB interface" as recited in amended, independent claim 8.

Claim 8 is rejected under 35 U.S.C. § 102(e), as being anticipated by U.S. Patent No. 7,082,598 (Le et al.)

On page 8, the Office Action asserts that Le describes a personal digital assistant with a USB interface and a USB data driver. Le discusses the Operating System (OS) loading a substitute driver, not the user (col. 8, lines 36-37). Therefore, Le does not teach or suggest, "an input section receiving a system switchover command from a user; and a USB data driver selecting unit selectively loading USB data drivers into the personal digital assistant in response to a data interface specification request inputted from the user" as recited in amended, claim 8.

REJECTIONS UNDER 35 U.S.C. § 103

Claims 1-7, 11, and 12 are rejected under 35 U.S.C. § 103(a), as being unpatentable over U.S. Patent No. 6,256,008 (Sparks et al.) and Le et al.

As stated above, claim 12 depends on independent claim 8. To clarify, claims 1-7 and 11 are rejected under 35 U.S.C. § 103(a), as being unpatentable over U.S. Patent No. 6,256,008 (Sparks et al.) and Le et al.

On page 9, the Office Action states that Sparks does not disclose a data sync driver; a USGB interface interfacing data with a US host; an input section receiving a system switchover command from a user to cause the USB host to selectively recognize the system as a USB mass storage or a data sync client; and a control section.

The Office Action asserts that Le makes up for the deficiencies of Sparks.

As stated above, Le does not teach or suggest, *inter alia*, "an input section receiving a data transmission/reception specification request from a user" as recited in amended independent claims 1, 7, and 11.

Claims 9 and 10 are rejected under 35 U.S.C. § 103(a), as being unpatentable over Le et al. in view of Sparks et al.

Nothing was cited or has been found in Sparks suggesting modifications of Le to overcome the deficiencies discussed above.

Withdrawal of the rejections is requested.

NEW CLAIM

New claim 13 recites "at least two drivers comprise a data sync driver synchronizing and interfacing data between the host and the system and a USB mass storage driver causing the host to recognize the system as a USB mass storage to interface/exchange the data with the system via the USB interface." Nothing in the cited references teaches or suggests such. It is submitted that this new claim, which is different and not narrower than prior filed claims distinguishes over the cited references.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

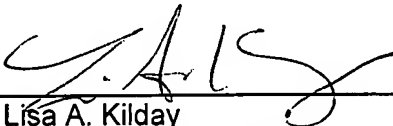
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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